

IN THE CLAIMS:

Please amend claim 1-4 and 6-9 as follows:

1. (Amended) A coplanar line comprising:
a first layer, of a multi-layered stack of dielectric material; ? NM
a second layer, of a multi-layered stack of dielectric material, having a dielectric constant less than 30, positioned adjacent to said first layer of dielectric material, said second layer of dielectric material having a dielectric constant that is less than the dielectric constant of said first layer of dielectric material; ? NM
first and second electrodes for applying a controllable voltage across said first dielectric material, thereby controlling a dielectric constant of said first dielectric material, wherein at least one of said first and second electrodes is positioned between said first and second layers of dielectric material;
a conductor positioned adjacent to a first edge of each of said first and second layers; and
first and second ground planes positioned on opposite [sides] ends of said conductor. NM

2. (Amended) A coplanar line as recited in claim 1, further comprising:

means for applying a controllable voltage across said second dielectric material, thereby controlling [a]the dielectric constant of said second dielectric material.

3. (Amended) A coplanar line as recited in claim 1, further comprising:

a plurality of additional layers of dielectric material positioned substantially [generally] parallel to said first and second layers of dielectric material, [and at least selected ones of said additional layers of dielectric material] said additional layers of dielectric material can include at least one layer having a tunable dielectric constant.

4. (Amended) A coplanar line as recited in claim 3, wherein said first, second and additional layers of dielectric material are assembled into a plurality of subassemblies, said subassemblies [being substantially identical to each other] having the same arrangement of dielectric materials.

5. A coplanar line as recited in claim 1, wherein said first layer of dielectric material has dielectric constant greater than about 100 and a loss tangent of less than about 0.01.

6. (Amended) A coplanar line as recited in claim 1, wherein said second layer of dielectric material is selected from the group consisting of

[comprises one of:]a $Ba_{1-x}Sr_xTiO_3$ composite where x ranges from zero to one, alumina, mica, and air.

7. (Amended) A coplanar line as recited in claim 1, wherein said first and second layers of dielectric material is selected from the group consisting of [comprise one of the group of:] bulk, tape, thick film and thin film layers.

8. (Amended) A coplanar line as recited in claim 1, wherein said first and second layers of dielectric material each have a thickness less than about one tenth of the wavelength of a radio frequency signal to be transmitted through the coplanar line.

9. (Amended) A coplanar line as recited in claim 1, wherein said first layer of dielectric material is selected from the group consisting of [comprises one of:] BSTO, BSTO-MgO, BSTO-MgAl₂O₄, BSTO-CaTiO₃, BSTO-MgTiO₃, and BSTO-MgSrZrTiO₆, or a combination thereof].

IN THE SPECIFICATION:

Please amend the cross reference to related patent application from the following:

This application is a divisional application of United States Patent Application No. 09/419,047, filed October 15, 1999, which claims the benefit of United States Provisional Application 60/104,503, filed October 16, 1998.